

Converting Colors

CIELCh(97, 71.572, 154.699)

Have a look what the booklet for
CIELCh(97, 71.572, 154.699)
contains.

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Color

CIELCh(91, 60.533, 158.575)

Conversions

Conversions Part 1

Format	Color
Hex	68FFB9
RGB	104, 255, 185
RGB Percent	41%, 100%, 73%
CMY	0.5925, 0.0000, 0.2754
CMYK	0.59, 0.00, 0.28, 0.00
HSL	152°, 100%, 70%
HSV	152°, 59%, 100%
XYZ	50.4584, 78.4833, 58.2634
YIQ	201.8710, -67.5260, -53.7820

Conversions

Conversions Part 2

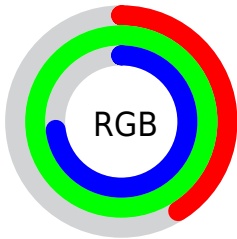
Format	Color
RYB	104, 202, 255
Decimal	6881209
CIELab	91.00, -56.35, 22.11
CIELCh	91, 60.533, 158.575
Yxy	78.4833, 0.2695, 0.4192
Android (android.graphics.Color)	4285071289 (0xFF68FFB9)
YUV	201.8710, -8.3174, -85.8329
Hunter-Lab	88.5908, -53.3663, 23.0204

Details

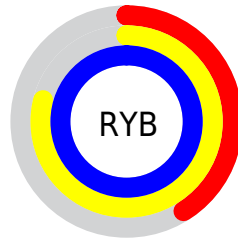
The CIELCh color **91, 60.533, 158.575** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **65, 64.497, 353.000**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 29.706, 183.429**, and **71, 59.737, 159.007** is the 20% darker color. If you saturate the color by 10%, you get **90, 68.129, 157.042**, and if you desaturate by 10%, it is **92, 51.179, 160.272**.

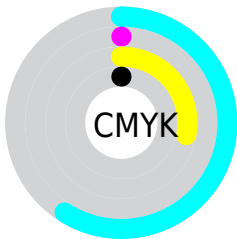
Distribution



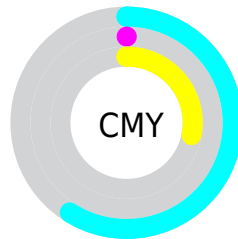
- Red (41%)
- Green (100%)
- Blue (73%)



- Red (41%)
- Yellow (79%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (59%)
- Magenta (0%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 60.533, 158.575 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 91, 60.533, 158.575 by changing the saturation by 10% instead.


 91, 60.533,
158.575


 91, 60.533,
158.575


 100, 60.533,
158.575


 81, 60.533,
158.575


 71, 60.533,
158.575

 61, 60.533,
158.575

 51, 60.533,
158.575

 41, 60.533,
158.575

 31, 60.533,
158.575

 21, 60.533,

158.575

■ 11, 60.533,
158.575

■ 1, 60.533, 158.575

■ 91, 60.533,
158.575

■ 91, 60.533,
158.575

■ 90, 68.129,
157.042

■ 92, 51.179,
160.272

■ 89, 75.158,
155.110

■ 93, 41.525,
161.611

■ 89, 81.167,
152.963

■ 95, 31.322,
162.799

■ 89, 86.283,
150.657

■ 96, 20.755,
163.863

■ 89, 86.652,
150.488

■ 98, 9.993, 164.840

100, 0.012,
296.813

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



91, 60.533, 158.575



65, 64.497, 353.000

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91, 60.533, 158.575



91, 60.533, 208.575



91, 60.533, 338.575



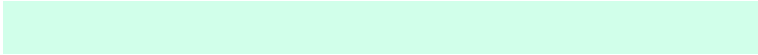
91, 60.533, 28.575

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



91, 60.100, 158.758



96, 19.420, 163.989



92, 79.484, 127.592



51, 13.477, 163.694



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



91, 60.100, 158.758



90, 69.435, 156.720



91, 39.934, 200.765



52, 6.144, 164.815



68, 69.189, 150.923



23, 29.901, 154.159

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



65, 64.497, 353.000



60, 73.962, 355.676



64, 63.393, 29.286



50, 6.236, 346.373



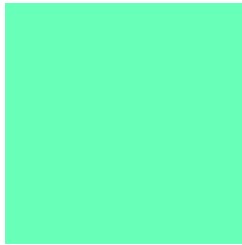
41, 68.013, 5.499



10, 31.582, 359.363

Previews

White Background



This preview shows how the CIE LCh color 91, 60.533, 158.575 looks on a white background.

Color Contrast Check

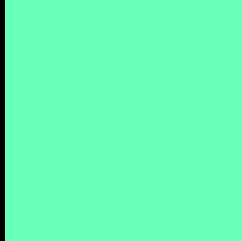
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 91, 60.533, 158.575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 60.533, 158.575

Background



This preview shows how black text looks on a background with the CIELCh color 91, 60.533, 158.575.

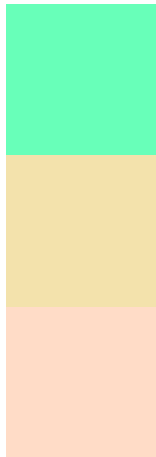


This preview shows how white text looks on a background with the CIELCh color 91, 60.533, 158.575.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

91, 60.007, 158.830

Protanopia

90, 28.632, 94.373

Deuteranopia

90, 17.295, 58.768



Tritanopia
90, 24.817, 216.427

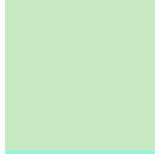
Trichromacy



Original Color
91, 60.007, 158.830



Protanomaly
89, 35.221, 136.055



Deuteranomaly
89, 23.633, 139.322

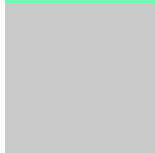


Tritanomaly
90, 33.777, 182.892

Monochromacy



Original Color
91, 60.007, 158.830



Achromatopsia
81, 0.010, 296.813



Achromatomaly
84, 23.635, 163.868

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 60.533, 158.575 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(104, 255, 185)` looks like.

```
.text, #text, p{  
    color:rgb(104, 255, 185)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(104, 255, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 255, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 60.533, 158.575 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(104, 255, 185) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(104, 255, 185) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(104, 255, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 255, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 255, 185);  
box-shadow:4px 4px 4px 4px rgb(104, 255,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 60.533, 158.575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 255, 185) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(104,  
255, 185) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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